



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2009  
Code: 11691417  
SAU: Wales School Department  
School: Wales Central School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores .....	2
Summary of Student Participation .....	3
English Language Arts – Reading Results .....	4-6
Mathematics Results .....	7-9
Science Results .....	10-12

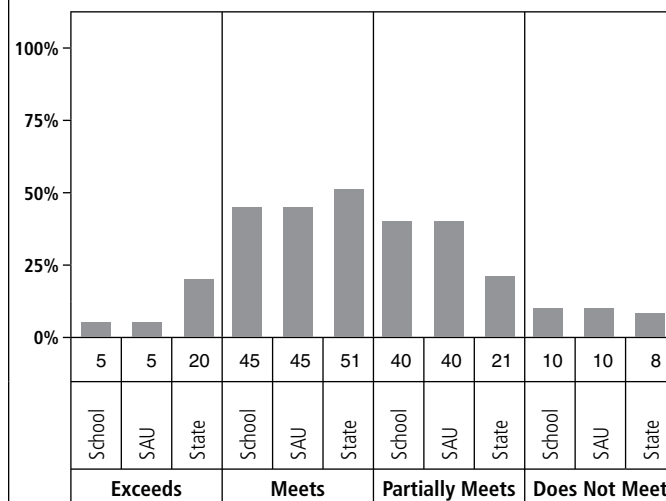
# SUMMARY OF SCORES

Test Date: March 2009  
Grade: 8  
SAU: Wales School Department  
School: Wales Central School

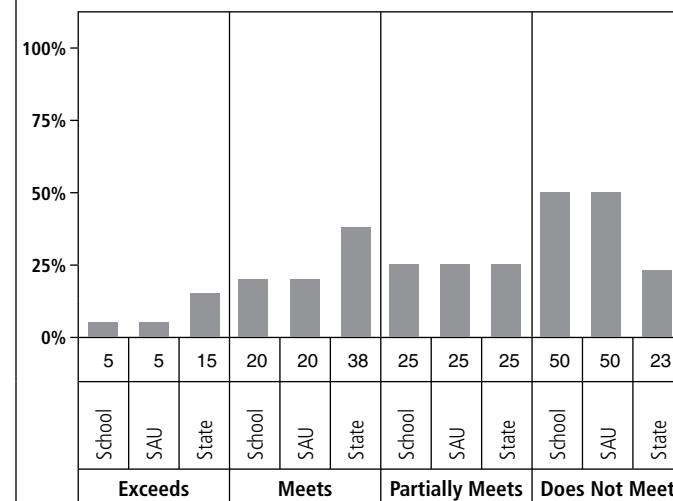
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2006–2007	846	846	847
2007–2008	841	841	849
<b>2008–2009</b>	<b>842</b>	<b>842</b>	<b>850</b>
Cum. Avg.*	843	843	849
<b>Mathematics</b>			
2006–2007	839	839	842
2007–2008	834	834	841
<b>2008–2009</b>	<b>833</b>	<b>833</b>	<b>843</b>
Cum. Avg.*	835	835	842
<b>Science</b>			
<b>2008–2009 **</b>	<b>839</b>	<b>839</b>	<b>846</b>

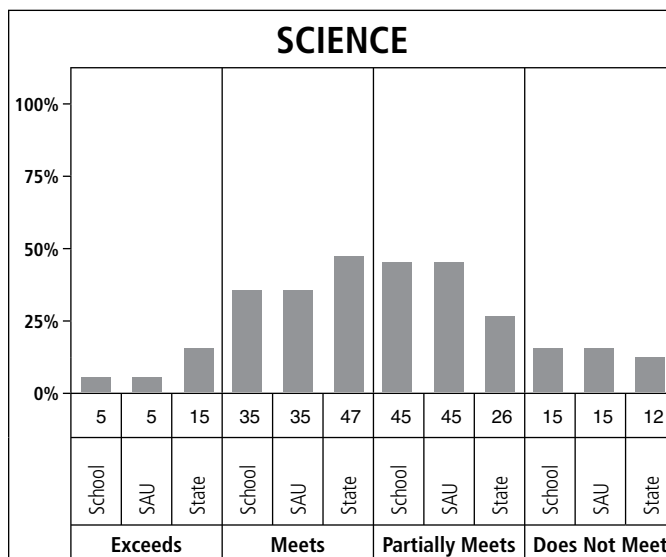
### ELA – READING



### MATHEMATICS



### SCIENCE



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

\*\* Because science standards were reset in May 2009, no historical data are available

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
Grade: 8  
SAU: Wales School Department  
School: Wales Central School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Total number of students</b>	20	100	20	100	14804	100	20	100	20	100	14659	99	20	100	20	100	14653	99	20	100	20	100	14626	99
<b>Ethnicity</b> African American/Black	1	5	1	5	377	3	1	100	1	100	366	97	1	100	1	100	371	98	1	100	1	100	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	1	5	1	5	238	2	1	100	1	100	232	97	1	100	1	100	234	98	1	100	1	100	234	98
Hispanic	0	0	0	0	192	1	0	0	0	0	188	98	0	0	0	0	191	100	0	0	0	0	190	99
Caucasian/White	18	90	18	90	13878	94	18	100	18	100	13756	99	18	100	18	100	13742	99	18	100	18	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Identified disability</b>	2	10	2	10	2489	17	2	100	2	100	2434	99	2	100	2	100	2424	98	2	100	2	100	2418	98
<b>Current LEP</b>	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
<b>Economically disadvantaged</b>	4	20	4	20	5460	37	4	100	4	100	5380	99	4	100	4	100	5377	99	4	100	4	100	5359	98
<b>Migrant</b>	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Participation without accommodations</b>	18	90	18	90	12132	82	18	90	18	90	12124	82	18	90	18	90	12169	82
Identified disability (PET/IEP)	0	0	0	0	379	3	0	0	0	0	380	3	0	0	0	0	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	1	6	1	6	200	2	1	6	1	6	200	2	1	6	1	6	202	2
<b>Participation with accommodations</b>	2	10	2	10	2349	16	2	10	2	10	2347	16	2	10	2	10	2288	15
Identified disability (PET/IEP)	2	100	2	100	1877	80	2	100	2	100	1862	79	2	100	2	100	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	0	0	0	0	292	12	0	0	0	0	297	13	0	0	0	0	280	12
<b>Participation through alternate assessment (PAAP)</b>	0	0	0	0	178	1	0	0	0	0	182	1	0	0	0	0	169	1
Identified disability (PET/IEP)	0	0	0	0	178	100	0	0	0	0	182	100	0	0	0	0	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
<b>Non-participation – other</b>	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	0	140	1

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Wales School Department  
School: Wales Central School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	1	5	1	5	2407	16
	2007-2008	2	10	2	9	3428	23
	<b>2008-2009</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>2857</b>	<b>20</b>
	Cum. Total*	4	7	4	6	8692	19
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	11	55	11	55	7494	49
	2007-2008	9	45	10	43	7179	48
	<b>2008-2009</b>	<b>9</b>	<b>45</b>	<b>9</b>	<b>45</b>	<b>7431</b>	<b>51</b>
	Cum. Total*	29	48	30	48	22104	49
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	6	30	6	30	3628	24
	2007-2008	4	20	6	26	2706	18
	<b>2008-2009</b>	<b>8</b>	<b>40</b>	<b>8</b>	<b>40</b>	<b>2979</b>	<b>21</b>
	Cum. Total*	18	30	20	32	9313	21
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	2	10	2	10	1810	12
	2007-2008	5	25	5	22	1611	11
	<b>2008-2009</b>	<b>2</b>	<b>10</b>	<b>2</b>	<b>10</b>	<b>1214</b>	<b>8</b>
	Cum. Total*	9	15	9	14	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	30.1	53.8	30.1	53.8	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	9.9	49.5	9.9	49.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	20.2	56.1	20.2	56.1	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.

# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: Wales School Department  
 School: Wales Central School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	20	1	5	9	45	8	40	2	10	842	20	5	45	40	10	842	14481	20	51	21	8	850
<b>Ethnicity</b>																						
African American/Black	1										1						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	1										1						231	28	43	19	10	851
Hispanic	0										0						186	17	48	23	12	847
Caucasian/White	18	1	6	9	50	6	33	2	11	843	18	6	50	33	11	843	13586	20	52	20	8	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	2										2						2256	2	25	40	34	834
No	18	1	6	9	50	7	39	1	6	844	18	6	50	39	6	844	12225	23	56	17	4	853
<b>Current LEP</b>																						
Yes	0										0						324	5	34	36	26	838
No	20	1	5	9	45	8	40	2	10	842	20	5	45	40	10	842	14157	20	52	20	8	850
<b>Economically disadvantaged</b>																						
Yes	4										4						5277	10	46	29	15	844
No	16	1	6	7	44	7	44	1	6	843	16	6	44	44	6	843	9204	26	54	16	5	853
<b>Migrant</b>																						
Yes	0										0						5	0	40	60	0	841
No	20	1	5	9	45	8	40	2	10	842	20	5	45	40	10	842	14476	20	51	21	8	850
<b>Gender</b>																						
Female	9	0	0	4	44	5	56	0	0	843	9	0	44	56	0	843	7074	25	51	18	6	852
Male	11	1	9	5	45	3	27	2	18	841	11	9	45	27	18	841	7407	14	51	23	11	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	9	43	35	14	843
No	20	1	5	9	45	8	40	2	10	842	20	5	45	40	10	842	13624	20	52	20	8	850
<b>Gifted/talented program</b>																						
Yes	0										0						700	69	30	1	0	867
No	20	1	5	9	45	8	40	2	10	842	20	5	45	40	10	842	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 8

SAU: Wales School Department

School: Wales Central School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	25	0	0	3	60	2	40	0	0	841	25	0	60	40	0	841	8	8	39	29	24	841
B. less than one hour	60	1	8	5	42	5	42	1	8	843	60	8	42	42	8	843	51	17	53	22	8	849
C. one to two hours	15	0	0	1	33	1	33	1	33	837	15	0	33	33	33	837	36	24	52	18	5	852
D. more than two hours	0										0						5	29	45	18	9	852
<b>Which of the following best describes how you rate yourself as a student in reading?</b>																						
A. very good	30	1	17	3	50	2	33	0	0	849	30	17	50	33	0	849	31	35	50	11	4	856
B. good	60	0	0	6	50	4	33	2	17	840	60	0	50	33	17	840	47	16	55	21	7	849
C. fair	10	0	0	0	0	2	100	0	0	831	10	0	0	100	0	831	18	5	47	33	15	842
D. poor	0										0						3	2	39	37	22	839
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b>																						
A. The questions on the test match what I have learned in reading class.	25	1	20	2	40	2	40	0	0	848	25	20	40	40	0	848	32	27	54	14	5	853
B. They match some of what I have learned.	65	0	0	5	38	6	46	2	15	839	65	0	38	46	15	839	52	18	53	22	8	850
C. They match just a little of what I have learned.	10	0	0	2	100	0	0	0	0	844	10	0	100	0	0	844	12	11	45	29	15	844
D. There is no match.	0										0						4	6	34	33	26	838
<b>How difficult was the reading part of this test?</b>																						
A. more difficult than my regular schoolwork	20	0	0	2	50	1	25	1	25	841	20	0	50	25	25	841	15	13	42	28	17	844
B. about the same as my regular schoolwork	50	1	10	4	40	4	40	1	10	842	50	10	40	40	10	842	64	19	53	20	7	850
C. easier than my regular schoolwork	30	0	0	3	50	3	50	0	0	843	30	0	50	50	0	843	22	25	52	16	6	852
<b>How difficult were the reading passages on this test?</b>																						
A. Most of the passages were more difficult than what I normally read.	5	0	0	0	0	1	100	0	0	834	5	0	0	100	0	834	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	42	0	0	2	25	4	50	2	25	836	42	0	25	50	25	836	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	53	1	10	7	70	2	20	0	0	848	53	10	70	20	0	848	40	30	53	13	4	855
<b>How hard did you try on the reading part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	60	0	0	6	50	5	42	1	8	840	60	0	50	42	8	840	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	40	1	13	3	38	3	38	1	13	844	40	13	38	38	13	844	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						7	12	46	27	15	845
<b>How much time do you spend reading at home each day?</b>																						
A. more than one hour	10	0	0	1	50	1	50	0	0	842	10	0	50	50	0	842	19	26	53	15	6	853
B. 20 minutes to an hour	50	1	10	4	40	5	50	0	0	844	50	10	40	50	0	844	40	25	52	17	6	852
C. less than 20 minutes	10	0	0	1	50	0	0	1	50	840	10	0	50	0	50	840	15	18	51	21	10	849
D. I rarely read at home.	30	0	0	3	50	2	33	1	17	838	30	0	50	33	17	838	26	7	50	30	13	844
<b>How do you feel about the following statement?</b>																						
<b>"My knowledge of reading will be useful to me as an adult."</b>																						
A. strongly agree	50	0	0	6	60	4	40	0	0	845	50	0	60	40	0	845	42	27	51	15	6	853
B. agree	50	1	10	3	30	4	40	2	20	838	50	10	30	40	20	838	50	15	53	23	9	848
C. disagree	0										0						7	8	46	32	14	843
D. strongly disagree	0										0						2	6	39	35	21	840
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Wales School Department  
School: Wales Central School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	1	5	1	5	1952	13
	2007-2008	0	0	0	0	1657	11
	<b>2008-2009</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>2116</b>	<b>15</b>
	Cum. Total*	2	3	2	3	5725	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	7	37	7	37	5870	38
	2007-2008	6	30	6	26	5956	40
	<b>2008-2009</b>	<b>4</b>	<b>20</b>	<b>4</b>	<b>20</b>	<b>5443</b>	<b>38</b>
	Cum. Total*	17	29	17	27	17269	39
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	5	26	5	26	3982	26
	2007-2008	6	30	8	35	3729	25
	<b>2008-2009</b>	<b>5</b>	<b>25</b>	<b>5</b>	<b>25</b>	<b>3556</b>	<b>25</b>
	Cum. Total*	16	27	18	29	11267	25
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	6	32	6	32	3534	23
	2007-2008	8	40	9	39	3579	24
	<b>2008-2009</b>	<b>10</b>	<b>50</b>	<b>10</b>	<b>50</b>	<b>3356</b>	<b>23</b>
	Cum. Total*	24	41	25	40	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>56</b>	<b>100</b>	22.2	39.6	22.2	39.6	28.6	51.1
<b>A. Number</b>	<b>8</b>	<b>14</b>	2.6	32.5	2.6	32.5	3.7	46.3
<b>B. Data</b>	<b>16</b>	<b>29</b>	6.8	42.5	6.8	42.5	8.9	55.6
<b>C. Geometry</b>	<b>12</b>	<b>21</b>	3.6	30.0	3.6	30.0	5.0	41.7
<b>D. Algebra</b>	<b>20</b>	<b>36</b>	9.3	46.5	9.3	46.5	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: Wales School Department  
 School: Wales Central School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	20	1	5	4	20	5	25	10	50	833	20	5	20	25	50	833	14471	15	38	25	23	843
<b>Ethnicity</b>																						
African American/Black	1										1						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	1										1						233	27	33	20	21	847
Hispanic	0										0						190	8	31	26	34	836
Caucasian/White	18	1	6	4	22	5	28	8	44	834	18	6	22	28	44	834	13567	15	38	25	22	843
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	2										2						2242	2	12	22	63	824
No	18	1	6	4	22	5	28	8	44	834	18	6	22	28	44	834	12229	17	42	25	16	846
<b>Current LEP</b>																						
Yes	0										0						336	6	18	26	51	829
No	20	1	5	4	20	5	25	10	50	833	20	5	20	25	50	833	14135	15	38	25	23	843
<b>Economically disadvantaged</b>																						
Yes	4										4						5270	6	30	28	36	835
No	16	1	6	2	13	5	31	8	50	833	16	6	13	31	50	833	9201	20	42	22	16	847
<b>Migrant</b>																						
Yes	0										0						5	0	0	40	60	828
No	20	1	5	4	20	5	25	10	50	833	20	5	20	25	50	833	14466	15	38	25	23	843
<b>Gender</b>																						
Female	9	0	0	1	11	3	33	5	56	830	9	0	11	33	56	830	7070	15	39	25	22	843
Male	11	1	9	3	27	2	18	5	45	836	11	9	27	18	45	836	7401	14	36	25	25	842
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	5	25	33	37	835
No	20	1	5	4	20	5	25	10	50	833	20	5	20	25	50	833	13614	15	38	24	22	843
<b>Gifted/talented program</b>																						
Yes	0										0						700	68	27	3	1	866
No	20	1	5	4	20	5	25	10	50	833	20	5	20	25	50	833	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: Wales School Department  
School: Wales Central School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	25	0	0	1	20	1	20	3	60	832	25	0	20	20	60	832	8	8	24	24	44	833
B. less than one hour	60	1	8	2	17	4	33	5	42	835	60	8	17	33	42	835	51	12	38	26	23	842
C. one to two hours	15	0	0	1	33	0	0	2	67	831	15	0	33	0	67	831	36	19	40	23	19	845
D. more than two hours	0										0						5	19	36	22	23	844
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b>																						
A. very good	35	1	14	1	14	0	0	5	71	831	35	14	14	0	71	831	28	33	41	15	11	852
B. good	35	0	0	2	29	0	0	5	71	831	35	0	29	0	71	831	45	11	43	25	21	842
C. fair	25	0	0	0	0	5	100	0	0	837	25	0	0	100	0	837	21	3	27	35	35	834
D. poor	5	0	0	1	100	0	0	0	0	848	5	0	100	0	0	848	5	2	14	30	54	828
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b>																						
A. The questions on the test match what I have learned in mathematics class.	15	1	33	0	0	0	0	2	67	835	15	33	0	0	67	835	28	23	41	21	15	848
B. They match some of what I have learned.	65	0	0	3	23	3	23	7	54	832	65	0	23	23	54	832	52	13	40	25	21	843
C. They match just a little of what I have learned.	15	0	0	0	0	2	67	1	33	831	15	0	0	67	33	831	16	8	28	30	34	836
D. There is no match.	5	0	0	1	100	0	0	0	0	848	5	0	100	0	0	848	4	5	15	22	58	826
<b>How difficult was the mathematics part of this test?</b>																						
A. more difficult than my regular schoolwork	35	0	0	3	43	2	29	2	29	838	35	0	43	29	29	838	32	6	34	29	32	837
B. about the same as my regular schoolwork	55	1	9	1	9	2	18	7	64	830	55	9	9	18	64	830	52	13	41	25	20	843
C. easier than my regular schoolwork	10	0	0	0	0	1	50	1	50	832	10	0	0	50	50	832	16	39	35	13	13	853
<b>How hard did you try on the mathematics part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	50	0	0	4	40	1	10	5	50	835	50	0	40	10	50	835	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	50	1	10	0	0	4	40	5	50	832	50	10	0	40	50	832	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						7	12	27	27	35	837
<b>How often do you use calculators in mathematics class?</b>																						
A. almost every day	20	0	0	2	50	0	0	2	50	837	20	0	50	0	50	837	34	18	40	22	20	845
B. two or three days a week	65	0	0	1	8	4	31	8	62	828	65	0	8	31	62	828	35	14	38	26	21	843
C. two or three times each month	5	1	100	0	0	0	0	0	0	862	5	100	0	0	0	862	18	12	37	27	24	841
D. never or almost never	10	0	0	1	50	1	50	0	0	842	10	0	50	50	0	842	13	9	32	25	34	837
<b>How often do you use laptops in mathematics class?</b>																						
A. almost every day	25	1	20	2	40	1	20	1	20	841	25	20	40	20	20	841	9	13	38	23	26	841
B. two or three days a week	20	0	0	0	0	2	50	2	50	833	20	0	0	50	50	833	17	11	37	26	26	841
C. two or three times each month	15	0	0	1	33	1	33	1	33	834	15	0	33	33	33	834	28	15	40	25	20	844
D. never or almost never	40	0	0	1	13	1	13	6	75	829	40	0	13	13	75	829	46	16	36	24	23	843
<b>How do you feel about the following statement?</b> "My knowledge of mathematics will be useful to me as an adult."																						
A. strongly agree	75	1	7	4	27	2	13	8	53	834	75	7	27	13	53	834	52	19	41	22	18	846
B. agree	25	0	0	0	0	3	60	2	40	832	25	0	0	60	40	832	39	11	35	27	27	840
C. disagree	0										0						6	7	28	26	39	835
D. strongly disagree	0										0						3	4	25	28	43	832
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

# SCIENCE RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Wales School Department  
School: Wales Central School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	1	5	1	5	2155	15
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	7	35	7	35	6687	47
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	9	45	9	45	3672	26
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	3	15	3	15	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Science Total Points</b>	56	100	27.1	48.4	27.1	48.4	32.0	57.1
<b>D. The Physical Setting</b>	31	55	14.5	46.8	14.5	46.8	17.1	55.2
<b>D1/D2 Earth/Space</b>	17	30	8.9	52.4	8.9	52.4	9.4	55.3
<b>D3/D4 Matter and Energy/Force and Motion</b>	14	25	5.7	40.7	5.7	40.7	7.7	55.0
<b>E. The Living Environment</b>	25	45	12.6	50.4	12.6	50.4	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting  
D1 - Universe and Solar System  
D2 - Earth  
D3 - Matter and Energy  
D4 - Force and Motion

Content Standard E. The Living Environment  
E1 - Biodiversity  
E2 - Ecosystems  
E3 - Cells  
E4 - Heredity and Reproduction  
E5 - Evolution

# SCIENCE RESULTS

## (CONTINUED)

Test Date: March 2009  
Grade: 8  
SAU: Wales School Department  
School: Wales Central School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	20	1	5	7	35	9	45	3	15	839	20	5	35	45	15	839	14263	15	47	26	12	846
<b>Ethnicity</b>																						
African American/Black	1										1						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	1										1						230	20	44	23	13	848
Hispanic	0										0						184	9	45	29	16	842
Caucasian/White	18	1	6	7	39	8	44	2	11	841	18	6	39	44	11	841	13375	15	47	25	12	846
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	2										2						2221	3	22	36	38	832
No	18	1	6	6	33	8	44	3	17	839	18	6	33	44	17	839	12042	17	51	24	7	848
<b>Current LEP</b>																						
Yes	0										0						331	4	20	39	37	832
No	20	1	5	7	35	9	45	3	15	839	20	5	35	45	15	839	13932	15	48	25	12	846
<b>Economically disadvantaged</b>																						
Yes	4										4						5184	6	40	33	21	840
No	16	1	6	4	25	8	50	3	19	838	16	6	25	50	19	838	9079	20	51	21	8	849
<b>Migrant</b>																						
Yes	0										0						5	0	0	80	20	829
No	20	1	5	7	35	9	45	3	15	839	20	5	35	45	15	839	14258	15	47	26	12	846
<b>Gender</b>																						
Female	9	0	0	3	33	4	44	2	22	835	9	0	33	44	22	835	6953	14	47	28	11	846
Male	11	1	9	4	36	5	45	1	9	842	11	9	36	45	9	842	7310	16	46	24	13	846
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						828	5	35	40	20	839
No	20	1	5	7	35	9	45	3	15	839	20	5	35	45	15	839	13435	16	48	25	12	846
<b>Gifted/talented program</b>																						
Yes	0										0						699	65	34	2	0	865
No	20	1	5	7	35	9	45	3	15	839	20	5	35	45	15	839	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: Wales School Department  
School: Wales Central School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	25	0	0	1	20	3	60	1	20	833	25	0	20	60	20	833	8	8	34	28	30	837
B. less than one hour	60	1	8	5	42	4	33	2	17	842	60	8	42	33	17	842	51	14	48	27	11	846
C. one to two hours	15	0	0	1	33	2	67	0	0	837	15	0	33	67	0	837	36	19	48	24	9	848
D. more than two hours	0										0						5	17	49	20	14	847
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	15	0	0	1	33	1	33	1	33	829	15	0	33	33	33	829	23	27	47	17	8	851
B. good	55	1	9	3	27	5	45	2	18	839	55	9	27	45	18	839	53	15	50	26	10	847
C. fair	25	0	0	3	60	2	40	0	0	843	25	0	60	40	0	843	20	4	43	35	18	840
D. poor	5	0	0	0	0	1	100	0	0	838	5	0	0	100	0	838	4	4	27	34	35	834
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	10	1	50	1	50	0	0	0	0	862	10	50	50	0	0	862	26	20	49	23	9	849
B. They match some of what I have learned.	45	0	0	2	22	5	56	2	22	834	45	0	22	56	22	834	51	14	48	26	11	846
C. They match just a little of what I have learned.	35	0	0	3	43	3	43	1	14	838	35	0	43	43	14	838	18	13	44	28	15	844
D. There is no match.	10	0	0	1	50	1	50	0	0	840	10	0	50	50	0	840	4	5	33	30	32	836
<b>How difficult was the science part of this test?</b>																						
A. more difficult than my regular schoolwork	50	0	0	4	40	6	60	0	0	840	50	0	40	60	0	840	32	13	45	28	14	844
B. about the same as my regular schoolwork	40	1	13	3	38	2	25	2	25	840	40	13	38	25	25	840	56	15	49	25	11	847
C. easier than my regular schoolwork	10	0	0	0	0	1	50	1	50	828	10	0	0	50	50	828	11	21	43	22	13	847
<b>How hard did you try on the science part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	60	0	0	5	42	5	42	2	17	836	60	0	42	42	17	836	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	35	1	14	2	29	3	43	1	14	844	35	14	29	43	14	844	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	5	0	0	0	0	1	100	0	0	834	5	0	0	100	0	834	6	8	36	29	26	839
<b>Which courses do you plan to take before you graduate from high school?</b>																						
A. earth and space science and/or biology	37	0	0	2	29	4	57	1	14	836	37	0	29	57	14	836	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	37	1	14	3	43	2	29	1	14	844	37	14	43	29	14	844	23	17	49	22	12	847
C. the course(s) described in B, plus physics	11	0	0	1	50	1	50	0	0	842	11	0	50	50	0	842	21	31	44	17	7	852
D. a life science and physical science class	16	0	0	0	0	2	67	1	33	829	16	0	0	67	33	829	30	7	46	32	14	842
<b>How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."</b>																						
A. strongly agree	25	0	0	2	40	2	40	1	20	837	25	0	40	40	20	837	27	23	47	20	10	849
B. agree	40	1	13	2	25	3	38	2	25	840	40	13	25	38	25	840	37	14	47	27	12	846
C. disagree	30	0	0	3	50	3	50	0	0	839	30	0	50	50	0	839	25	11	48	29	12	845
D. strongly disagree	5	0	0	0	0	1	100	0	0	836	5	0	0	100	0	836	11	9	44	31	17	842
<b>How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."</b>																						
A. strongly agree	40	0	0	2	25	4	50	2	25	834	40	0	25	50	25	834	31	22	46	22	10	849
B. agree	50	1	10	5	50	4	40	0	0	845	50	10	50	40	0	845	50	14	49	26	11	846
C. disagree	10	0	0	0	0	1	50	1	50	827	10	0	0	50	50	827	14	9	45	31	15	843
D. strongly disagree	0										0						5	3	38	34	25	837
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number